INTERNATIONAL SEARCH REPORT

International application No.

US CL According (B. FIE)	TOTALION OF SUBJECT MATTER	325
US CL According (B. FIE)	: F04B 43/06, 35/00	
	: 417/395 300 401 402	
	to International Patent Classification (IDC) and the	
Minimum d	locumentation searched (classification system followed by classification symbols) 417/395, 399, 401, 403	
U.S. :	417/395, 399, 401, 403	
Occumentat	tion searched other than minimum down	
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JS-PGPUB	lata base consulted during the international search (name of data base and, where practicable, USPAT, USOCR, EPO, JPO, DERWENT, IBM-TDB; detent	. sonet
	. USPAT, USOCR, EPO, JPO, DERWENT, IBM-TDB: detent	s, search terms used)
. DOC	TIMPAING CO.	
Category *	UMENTS CONSIDERED TO BE RELEVANT	
X	Citation of document, with indication, where appropriate, of the relevant passages US 3,781,141 A (Schall) 25 December 1973 (25 to 1975)	T 5:
	US 3,781,141 A (Schall) 25 December 1973 (25.12.1973), See col. 6, In. 2-16, Col. 4, In. 50-59, Col. 6, In. 20 - Col. 7, In. 3, Col. 8, In. 20.25, Col. 6, In. 2-16, Col. 4,	Relevant to claim No
Y	In. 50-59, Col. 6, In. 20 - Col. 7, In. 3, Col. 8, In. 20-25, Col. 7 In. 63-Col. 8, In. 14.	1-2, 9, 19-21
		3-8 and 10-18
Y	US 5,782,617 A (Habla) 21 July 1998 (21.07.1998.), See col. 6, ln. 63 - Col. 7, ln. 4.	15.16
Y	110.4 see col. 6, In. 63 - Col. 7, In. 4.	6, 10, 15
1	US 4,551,076 A (DuBois) 05 November 1985 (05.11.1985), See col. 7, In. 27-31.	
	7, === oon 7, m. 27-51.	3-18
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/20325

sheet)	II Observations where certain claims were found unsearchable (Continuation of item 2 of first
This inte	mational search report has not been established in respect of certain claims under Article 17(2)(a) for the following
reasons:	of the following the respect of certain claims under Article 17(2)(a) for the following
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2.	Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. (2.46	Claims Nos.: 21 because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule a).
Box No.	III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Inter	national Searching Authority found multiple inventions in this international application, as follows:
1. 🔲	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort instifying an additional feet the country of the c
	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched-without effort justifying an additional fee, this Authority did not invite payment of any additional fee. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
2.	As all searchable claims could be searched-without effort justifying an additional fee, this Authority did not invite payment of any additional fee. As only some of the required additional search fees were timely point to the required additional search fees were timely point.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.: No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
2.	As all searchable claims could be searched-without effort justifying an additional fee, this Authority did not invite payment of any additional fee. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.: No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: